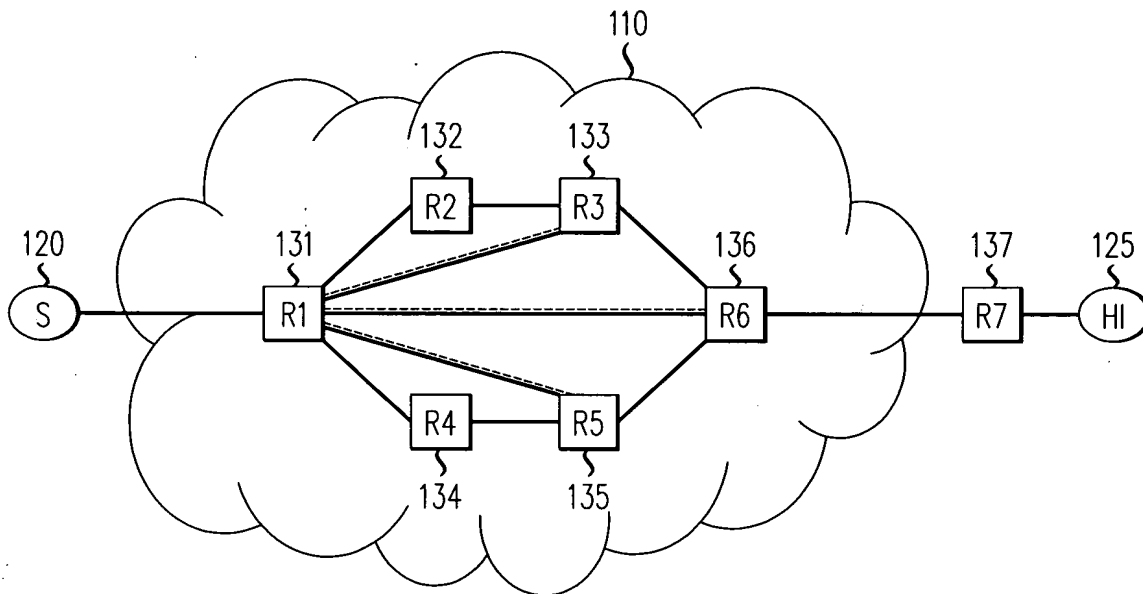
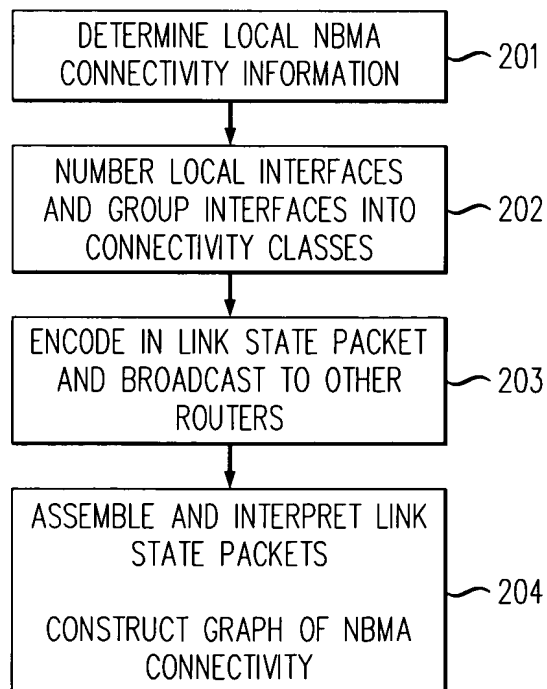


1/12

**FIG. 1**100**FIG. 2**

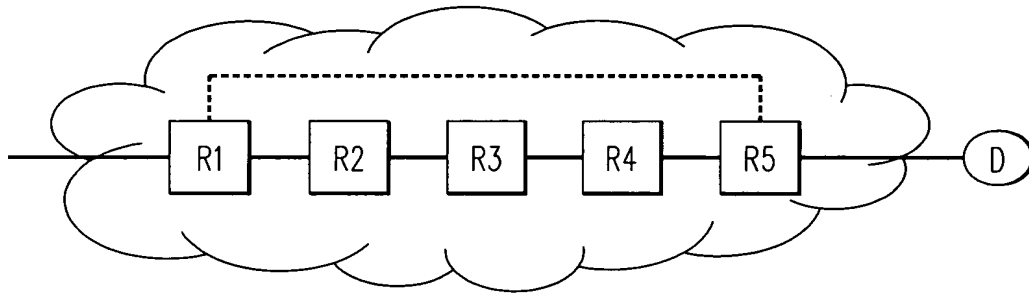
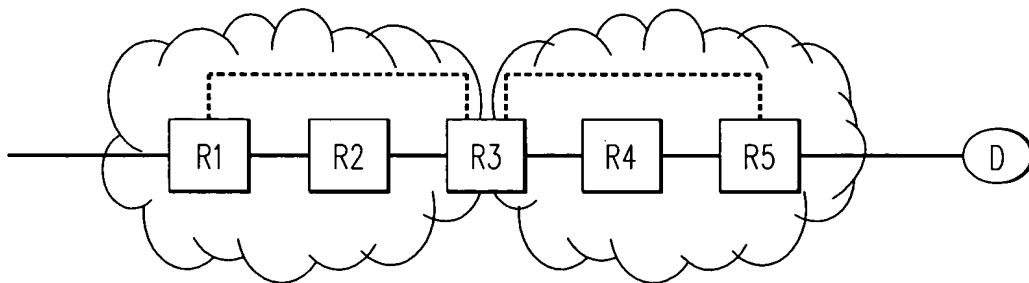
2/12

*FIG. 3*

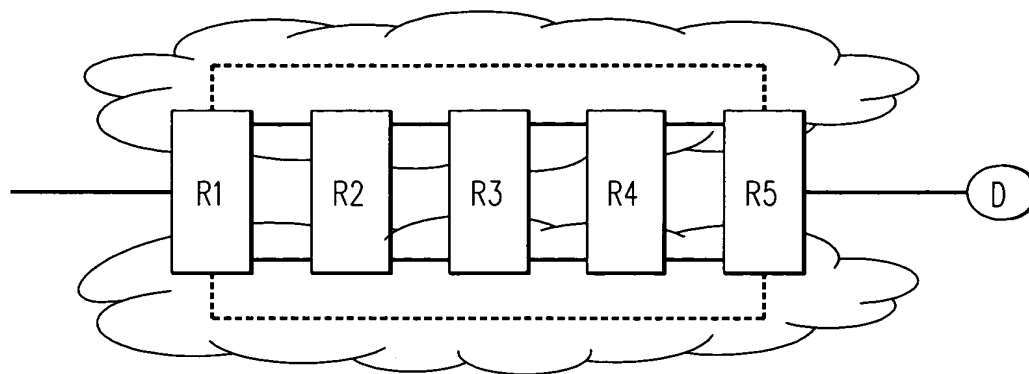
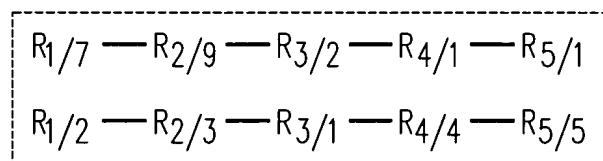
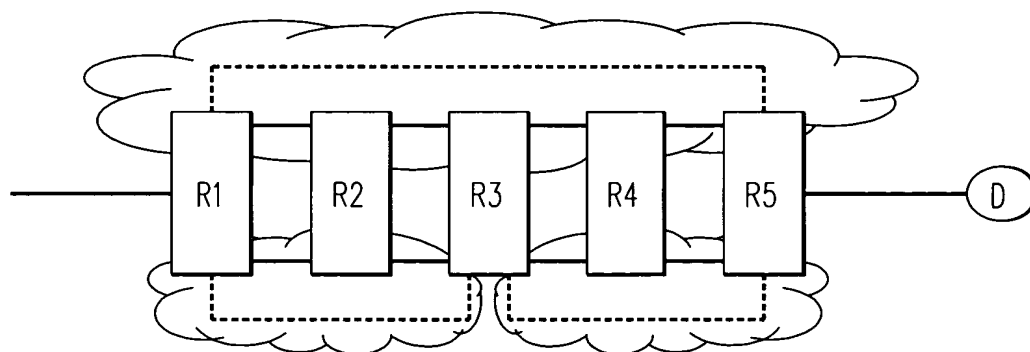
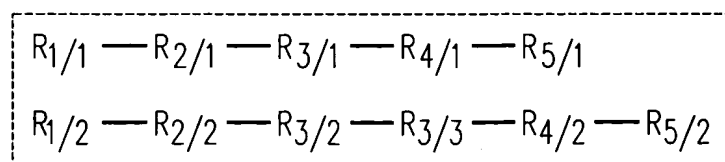
[OSPF ROUTER ID AND OTHER OSPF HEADERS]  
 NUMBER OF NBMA INTERFACES  
 FIRST NBMA INTERFACE ADDRESS, INTERFACE CLASS NUMBER  
 SECOND NBMA INTERFACE ADDRESS, INTERFACE CLASS NUMBER  
 ....  
 FINAL NBMA INTERFACE ADDRESS, INTERFACE CLASS NUMBER

*FIG. 4*

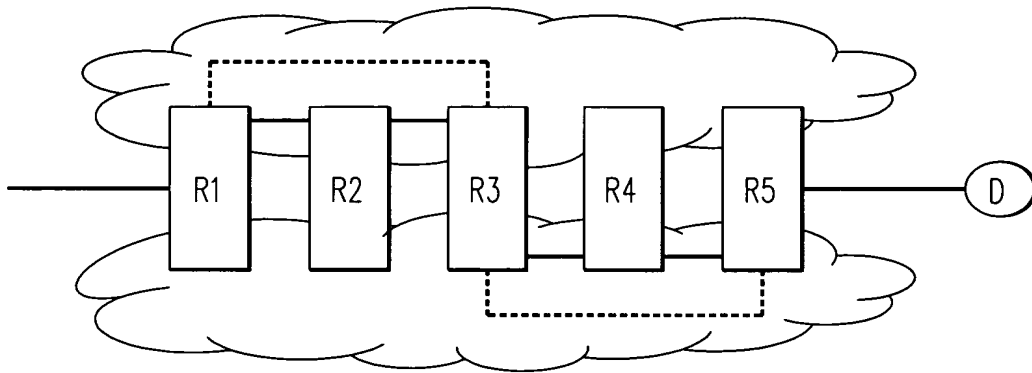
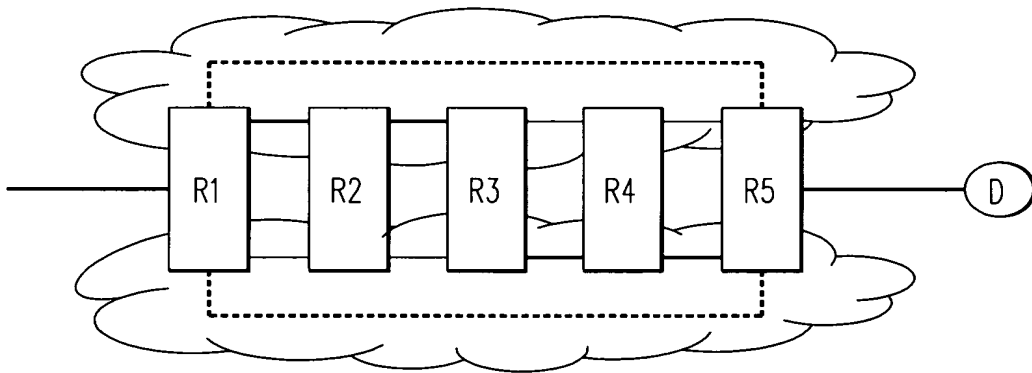
NBMA_CONNECTED[ROUTER ID]	A BOOLEAN THAT IS TRUE IF THERE IS NBMA CONNECTIVITY. USED WHEN CALCULATING BEST SHORTCUTS
SHORTCUT_COST[ROUTER ID]	A POSITIVE VALUE REPRESENTING THE COST OF TAKING A SHORTCUT. USED WHEN CALCULATING BEST SHORTCUTS
INTERFACE[ROUTER ID]	A LOCAL HANDLE ON THE INTERFACE TO BE USED WHEN ESTABLISHING A CONNECTION. USED WHEN ESTABLISHING SHORTCUTS
NBMA_ADDRESS[ROUTER ID]	THE NBMA ADDRESS TO BE USED WHEN ESTABLISHING A CONNECTION. USED WHEN ESTABLISHING SHORTCUTS

*FIG. 5**FIG. 6*

4/12

*FIG. 7**FIG. 7A**FIG. 8**FIG. 8A*

5/12

*FIG. 9**FIG. 10*

6/12

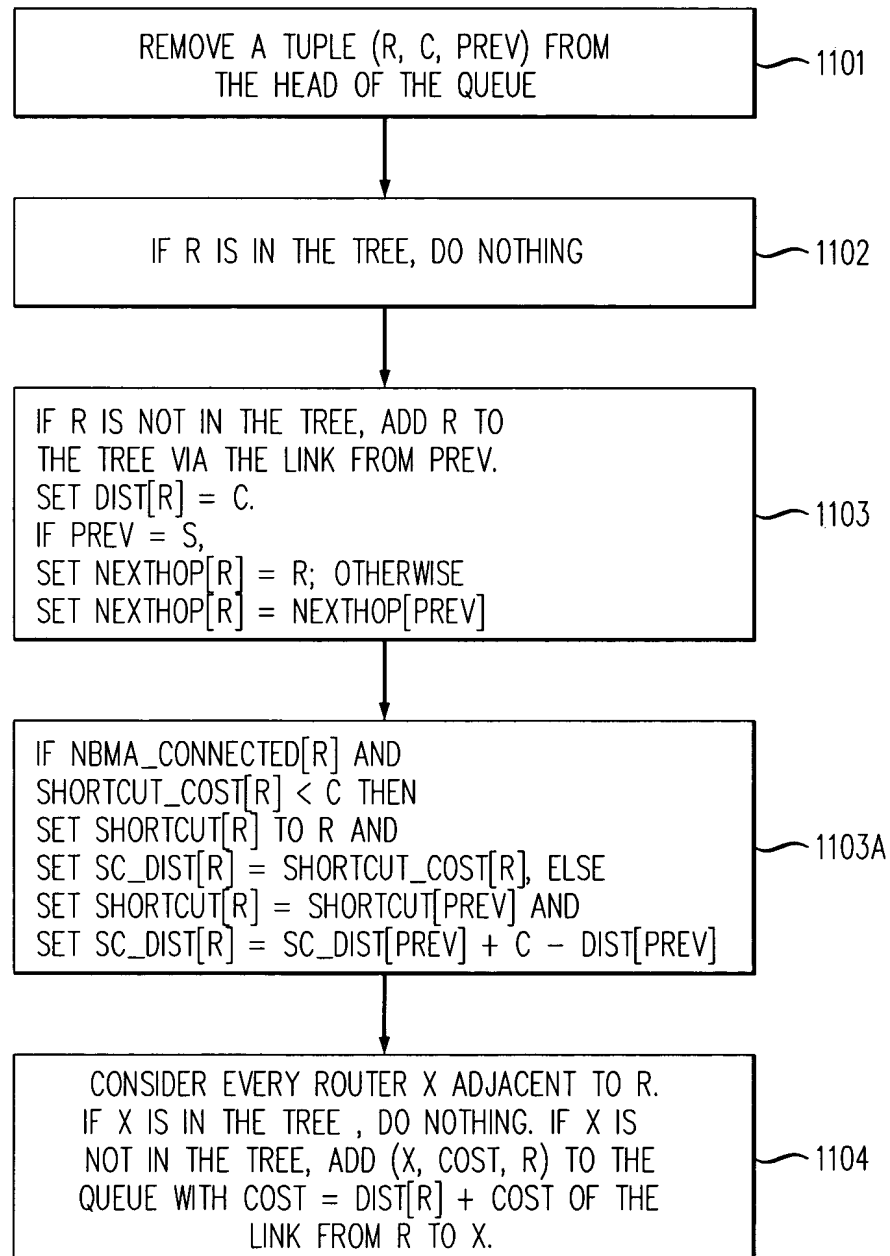
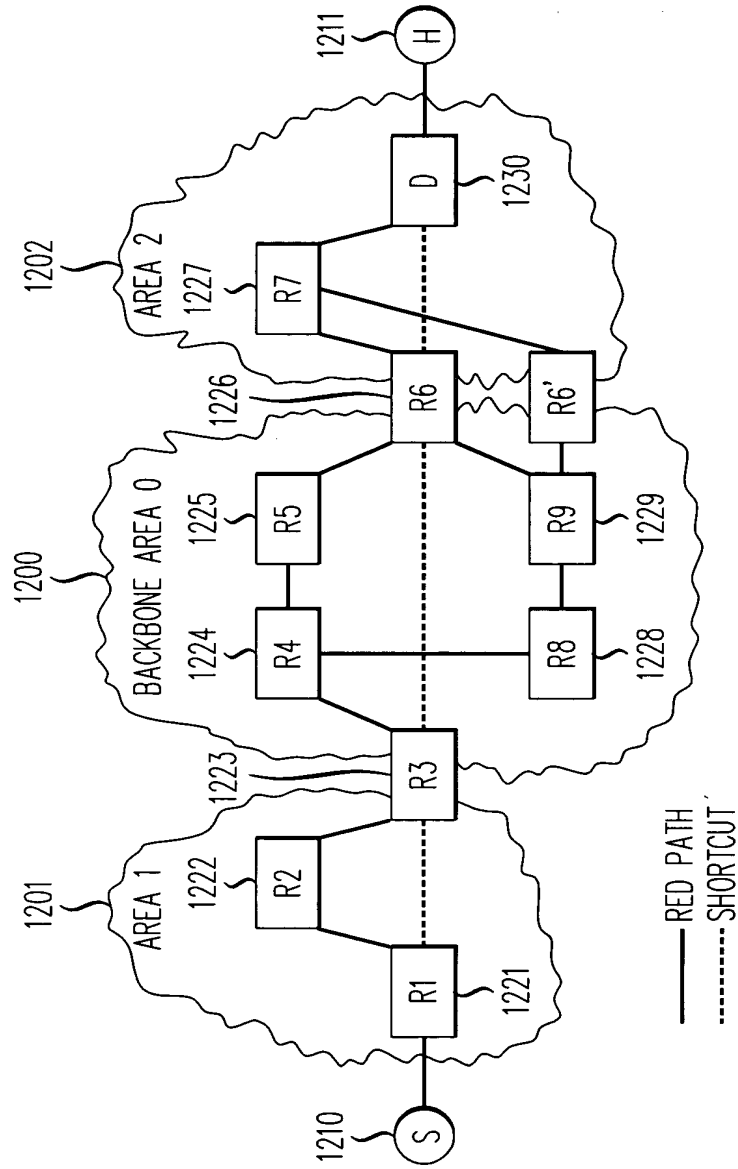
*FIG. 11*

FIG. 12



8/12

*FIG. 13*

IR	-----	ABR1	-----	ABR2	-----	ER
IR	-----	ABR1		-----		ER
IR		-----		ABR2	-----	ER
IR			-----			ER

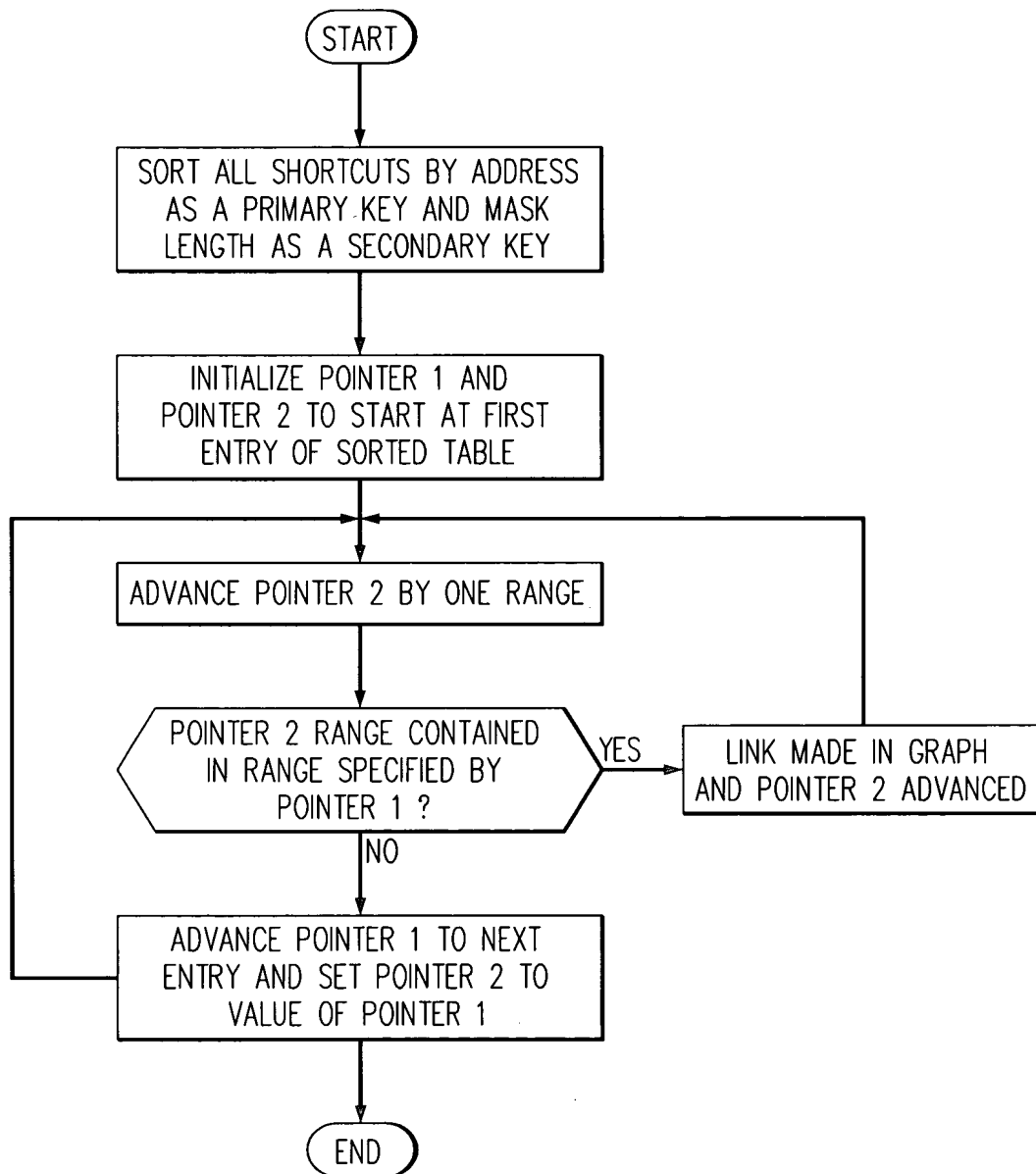
*FIG. 14*

## SUMMARY SHORTCUT LINK STATE ADVERTISEMENT

OSPF ROUTER ID OF THE ISSUING ROUTER (e.g. R6 FROM FIG. 12)
SET OF REACHABLE IP ADDRESS (e.g. ADDRESS PREFIX AND MASK INCLUDING D AND H)
MAXIMUM CONVENTIONAL COST (e.g. COST OF RED PATH R6 → H)
OSPF ROUTER ID OF THE SHORTCUT TARGET (e.g. D FROM FIG. 12)
EXIT COST FROM THE TARGET ROUTER TO THE DESTINATION ADDRESS (e.g. COST OF PATH D → H)
NBMA CONNECTIVITY INFORMATION



9/12

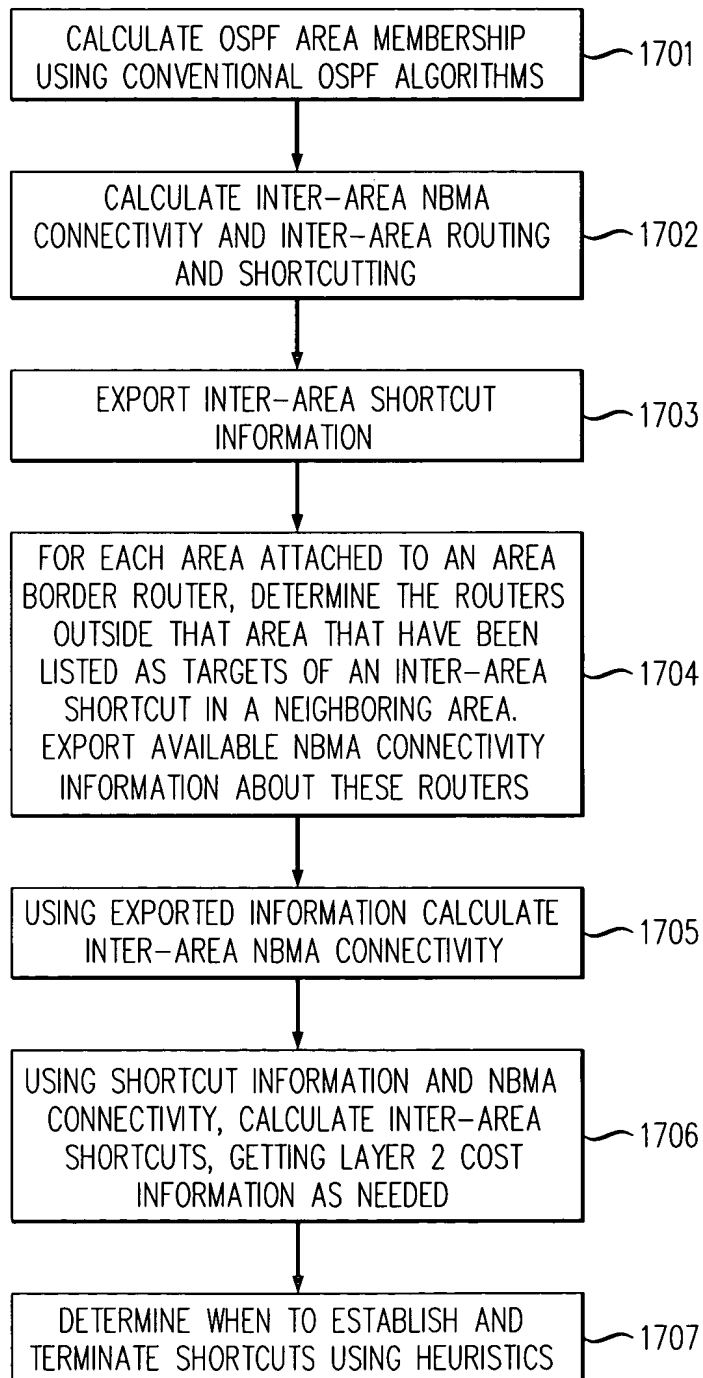
*FIG. 15*

10/12

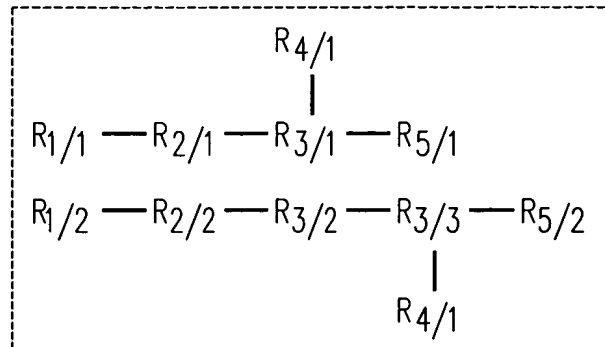
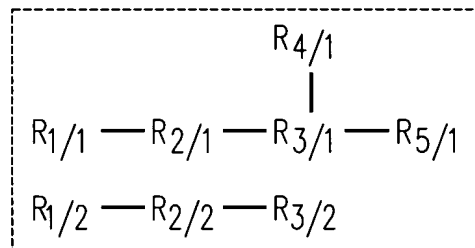
*FIG. 16*

[OSPF ROUTER ID AND OTHER OSPF HEADERS]  
NUMBER OF LOCAL INTERFACE CLASSES  
    FIRST LOCAL INTERFACE CLASS  
        NUMBER OF REMOTE INTERFACE CLASSES  
            FIRST REMOTE INTERFACE CLASS  
                (OSPF ID, CONNECTIVITY CLASS NUMBER)  
  
    ...  
        LAST REMOTE INTERFACE CLASS  
            (OSPF ID, CONNECTIVITY CLASS NUMBER)  
SECOND LOCAL INTERFACE CLASS  
    NUMBER OF REMOTE INTERFACE CLASSES  
        FIRST REMOTE INTERFACE CLASS  
            (OSPF ID, CONNECTIVITY CLASS NUMBER)  
  
    ...  
        LAST REMOTE INTERFACE CLASS  
            (OSPF ID, CONNECTIVITY CLASS NUMBER)  
NEXT LOCAL INTERFACE CLASS, etc.

11/12

*FIG. 17*

12/12

**FIG. 18****FIG. 19****FIG. 20**